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(74) Agents: BURTON, Carol, W. et al.; Hogan & Hartson, LLP, Suite 1500, 1200 17th Street, Denver, CO 80202 (US). (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(54) Title: NOVEL BORONIC CHALCONE DERIVATIVES AND USES THEREOF

(57) Abstract: The present invention relates to novel boronic chalcone derivatives which are useful as antitumor/anticancer agents. The present compounds, which are inexpensive to synthesize, exhibit unexpectedly good inhibitors of the growth of human breast cancer cells. The present invention also relates to the use of the novel boronic chalcone derivatives to treat cancer. The invention also provides pharmaceutical compositions comprising the inhibitors of the invention and methods of utilizing the inhibitors and pharmaceutical compositions in the treatment and prevention of cancer.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER			
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U.S.: 514/64; 562/7	by classification symbols,		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
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Continuation of B. FIELDS SEARCHED Item 3: CAPLUS, EAST, BIELSTEIN search terms: structure drawing, HIV, boronic acid, pharmaceutical	
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